

10/587039

1AP6 Rec'd PCT/PTO 24 JUL 2006

Docket Number: 061063-0356139

Client Reference: OSP-19398

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of MASATAKA HOURAI, et al. Group Art Unit:

Application No.:

Examiner:

Filed: July 24, 2006

Confirmation No.:

For: SILICON WAFER, METHOD FOR MANUFACTURING THE SAME AND METHOD FOR GROWING SILICON SINGLE CRYSTALS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

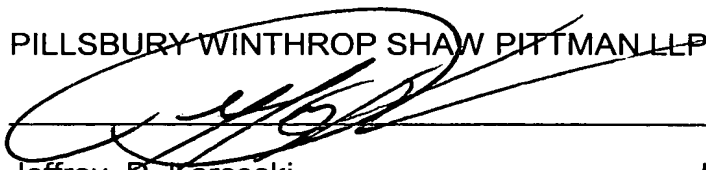
Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the references have been considered, per MPEP § 609.

This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

English-language Abstracts of the non-English language references are attached hereto and are relied upon for a statement of relevance for the reference.

Respectfully Submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP


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PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number **10/587039**
Filing Date **07/24/2006**
First Named Inventor **MASATAKA HOURAI**
Art Unit
Examiner Name
Attorney Docket Number **061063-0356139**

Sheet **2** of **2**

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	6	JP 2004-182525	07/02/2004			
	7	JP 11-189495 A	07/13/1999			

Examiner
Signature

Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

1

of

1

Complete if Known

Application Number

20/587039

Filing Date

07/24/2006

First Named Inventor

MASATAKA HOURAI

Art Unit

Examiner Name

UNASSIGNED

Attorney Docket Number

061063-0356139

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	I.	MASAAHI SUEZAWA, "Hydrogen and Crystal Technology - controlling of ultimately light element," 110th Workshop Text, JPN Soc. Appl. Phys., Div. Science and Technology of Crystals, p. 11-18, (6/3/1999).	
	II.	E. IINO ET AL., "Cavities owing to Hydrogen in Si single crystals grown by continuously charging CZ method," Materials Science and Engineering, p. 146-149, B6 (1996).	
	III	T.H. WANG, ET AL., "Charge carrier recombination centers in high-purity, dislocation-free, float-zoned silicone due to growth-induced microdefects," Journal of Crystal Growth, p. 155-161, Vol. 109 (1991).	
	IV.	YOSHIMITSU SUGITA, "X-Ray Observations of Defect Structures in Silicone Crystal," Japanes Journal of Applied Physics, Vol. 4 (No. 12), p. 962-972, (7/9/1965).	

Examiner
SignatureDate
Considered

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor

MASATAKA HOURAI

Art Unit

Examiner Name

Attorney Docket Number

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U. S. PATENT DOCUMENTS

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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	1	JP	2001-220289	08/14/2001	OKUI, ET AL.		
	2	JP	2002-187794	07/05/2002	MURAKAMI, ET AL.		
	3	JP	2000-281491 A	10/10/2000	IKARI, ET AL.		
	4	JP	2001-335396	12/04/2001	VON AMMON, ET AL.		
	5	JP	2001-151597	06/05/2001			

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